

INTERNATIONAL SEARCH REPORT

International Application No PCT/EP 03/10349

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	B65G17/32	B65G17/46	B65B3/00	B65B31/08	B65B55/02
	A61J1/00				

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65G B65B A61J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 064439 A (PY DANIEL C) 22 August 2002 (2002-08-22)	1-4,10, 11,14
Y	column 5, line 25 -column 6, line 42; figures 2,9,10	17-23, 25-28, 30,31
Y	---	17-21,23
Y	US 3 881 763 A (BENSON NORMAN E) 6 May 1975 (1975-05-06) cited in the application page 16, line 6 - line 11	---
A	---	1
A	EP 0 213 690 A (PACKARD INSTRUMENT CO INC) 11 March 1987 (1987-03-11) figures 1,2	1
A	---	1,14,20
A	US 3 092 237 A (MILLER HARRY L) 4 June 1963 (1963-06-04) figures 1,2	---
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the international search

22 March 2004

Date of mailing of the international search report

12.04.2004

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INT'L. NATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 2 503 147 A (NORMAN APPLEZWEIG) 4 April 1950 (1950-04-04) column 6, line 48 - line 53; figure 4 ---	22
A	US 6 360 794 B1 (TURNER TERRY D) 26 March 2002 (2002-03-26) column 9, line 1 - line 12; figure 5 ---	22,23
A	DE 199 16 662 A (BOSCH GMBH ROBERT) 19 October 2000 (2000-10-19) column 1, line 64 -column 2, line 25; figure 2 ---	22,23
X	US 6 098 676 A (POYNTER RICHARD Q ET AL) 8 August 2000 (2000-08-08)	24
Y	column 3, line 20 -column 4, line 43; figure 1 ---	25-28, 30,31
A	EP 0 096 336 A (ZANASI SPA) 21 December 1983 (1983-12-21) the whole document -----	24

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Information on patent family members

International Application No

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